

Ana Luiza Seidinger, PhD

Doctorate

Genetics and Molecular Biology

Education

PhD, Genetics and Molecular Biology, State University of Campinas, 2008-2012

BSc, Biological Sciences, State University of Campinas, 2003-2007

Experience

Post-doctoral Research Fellow, Mucosal Immunology Lab., Izmir Biomedicine and Genome Center (IBG), Türkiye, 2024–Present

Visiting Researcher, Epigenetics Lab., Max Planck Institute for Heart and Lung Research, Germany, 2025

Visiting Researcher, Clinical Bioinformatics, Erasmus Medical Center, The Netherlands, 2024

Secondary Appointment at the Post-Graduation Program in Genetics and Molecular Biology, Institute of Biology, State University of Campinas, Brazil, 2021–2022

Researcher, Genetics and Molecular Biology, Boldrini Children's Hospital, Brazil, 2017–2022

Secondary Appointment at the Post-Graduation Program in Medical Genetics, Medical Sciences Faculty, State University of Campinas, Brazil, 2015–2019

Genetics Analyst, Boldrini Children's Hospital, Brazil, 2009–2017

Research Interest

- Genetics and Molecular Biology
- Immunology
- Cancer Research
- Bioinformatics
- Precision Medicine

Last 5 Publications

Euzébio, M. F., Silva, F. L. T., Hoffmann, I. L., Ruas, J. S., Kido, L. A., de Lima, D. G., Queiroz, L., Cardinalli, I. A., **Seidinger, A. L.**, Nascimento, S., Tedeschi, H., Puga, R. D., Sales, P. P. Z., Jotta, P. Y., & Maschietto, M. (2025). Use of DNA Methylation Profiling as a Molecular Classification Tool for Paediatric Central Nervous System Tumours: A Middle-Income

Country Population-Based Study. *Neuropathology and applied neurobiology*, 51(5), e70041. <https://doi.org/10.1111/nan.70041>

Keck, M. K., Al-Hussaini, M., Amayiri, N., Yiadom, A. A. B., Chamyan, G., Cheesman, E., Faure-Contier, C., Garcia-Ariza, M., Gauchotte, G., Hasselblatt, M., Jorgensen, M., Kilday, J. P., Lamas, G., Lavarino, C., Li, M. M., Lubieniecki, F., Maher, O. M., Meyronet, D., Mueller, J., Santi, M., ... Jones, D. T. W. (2025). PLAG1 fusions define a third subtype of CNS embryonal tumor with PLAG family gene alteration. *Acta neuropathologica*, 150(1), 12. <https://doi.org/10.1007/s00401-025-02917-z>

Seidinger, A. L., Silva, F. L. T., Euzébio, M. F., Krieger, A. C., Meidanis, J., Gutierrez, J. M., Bezerra, T. M. S., Queiroz, L., Silva, A. A. R., Hoffmann, I. L., Daiggi, C. M. M., Tedeschi, H., Eberlin, M. N., Eberlin, L. S., Yunes, J. A., Porcari, A. M., & Cardinalli, I. A. (2024). Tumor-Promoted Changes in Pediatric Brain Histology Can Be Distinguished from Normal Parenchyma by Desorption Electrospray Ionization Mass Spectrometry Imaging. *Biomedicines*, 12(11), 2593. <https://doi.org/10.3390/biomedicines12112593>

Silva, F. L. T., Ruas, J. S., Euzébio, M. F., Hoffmann, I. L., Junqueira, T., Tedeschi, H., Pereira, L. H., Cassone, A. E., Cardinalli, I. A., **Seidinger, A. L.**, Jotta, P. Y., & Maschietto, M. (2023). 11p15 Epimutations in Pediatric Embryonic Tumors: Insights from a Methylome Analysis. *Cancers*, 15(17), 4256. <https://doi.org/10.3390/cancers15174256>

Ruas, J. S., Silva, F. L. T., Euzébio, M. F., Biazon, T. O., Daiggi, C. M. M., Nava, D., Franco, M. T., Cardinalli, I. A., Cassone, A. E., Pereira, L. H., **Seidinger, A. L.**, Maschietto, M., & Jotta, P. Y. (2023). Somatic Copy Number Alteration in Circulating Tumor DNA for Monitoring of Pediatric Patients with Cancer. *Biomedicines*, 11(4), 1082. <https://doi.org/10.3390/biomedicines11041082>

Patents

Yunes JA; Caminha IP; Seidinger AL; Gabetta CS. (Inventors) (2021, November 16). DNA sequences, kit and use for the detection of the TP53 R337H mutation. INPI - Instituto Nacional da Propriedade Industrial No. BR1020120311828.

Memberships

Moleküler Kanser Araştırma Derneği – MOKAD – 2026 - Present

Awards

EMBO Scientific Exchange Grant
European Molecular Biology Organization (EMBO)

2025

Honorable Mention – Electronic Poster – SNOLA 2024 – The State of the Art in Neuro-Oncology
SNOLA 2024
2024

1st Place Oral Presentation Award – Animal Genetics and Evolution, IV GBMeeting
IV GBMeeting
2022

Scientific Merit Award – XXV Undergraduate Students Congress of UNICAMP
State University of Campinas (UNICAMP)
2017

Research Fellowship
Brazilian National Council for Scientific and Technological Development (CNPq)
2014

PhD Fellowship
Coordination for the Improvement of Higher Education Personnel (CAPES)
2012

Undergraduate Fellowship
St. Jude Children’s Research Hospital – International Outreach Program
2007

Undergraduate Fellowship
Brazilian National Council for Scientific and Technological Development (CNPq)
2004